

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2002249639 A**(43) Date of publication of application: **06.09.02**

(51) Int. Cl.

C08L 61/34
C08J 5/24
C08K 5/521
H05K 1/03

(21) Application number: **2001048536**(22) Date of filing: **23.02.01**(71) Applicant: **HITACHI CHEM CO LTD**

(72) Inventor: **ABE NORIHIRO**
MURAI AKIRA
NANAUMI KEN
TAKEDA YOSHIYUKI
OHORI KENICHI
HIRAI YASUYUKI
KAKIYA MINORU
KAMOSHITA SHINICHI

(54) **FLAME RETARDANT RESIN COMPOSITION,
 PREPREG AND LAMINATED SHEET FOR
 PRINTED WIRING BOARD**

COPYRIGHT: (C)2002,JPO

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a flame retardant resin composition suitable for a laminated sheet for printed wiring boards, which meets flame retardant standards although it does not contain a halogenous flame retardant, and has good characteristics such as drill processability, moisture resistance, thermostability and Tg.

SOLUTION: The flame retardant resin composition essentially consists of a resin composition which characteristically comprises (a) a compound having dihydrobenzoxazine ring in the molecule, (b) a phosphorus compound having the structure shown in formula (I), and (c) a compound having reactivity with the dihydrobenzoxazine ring and/or a compound having reactivity with a phenolic hydroxyl group produced by ring opening of the ring. The content of (b) the phosphorus compound is 5-25 pts.wt. in 100 pts.wt. of organic resin solid content.

